# Use Attainability Analysis

for

WBID 1000 Clark Fork

Submitted by Aqua Missouri

To Missouri Department of Natural Resources Water Protection Program

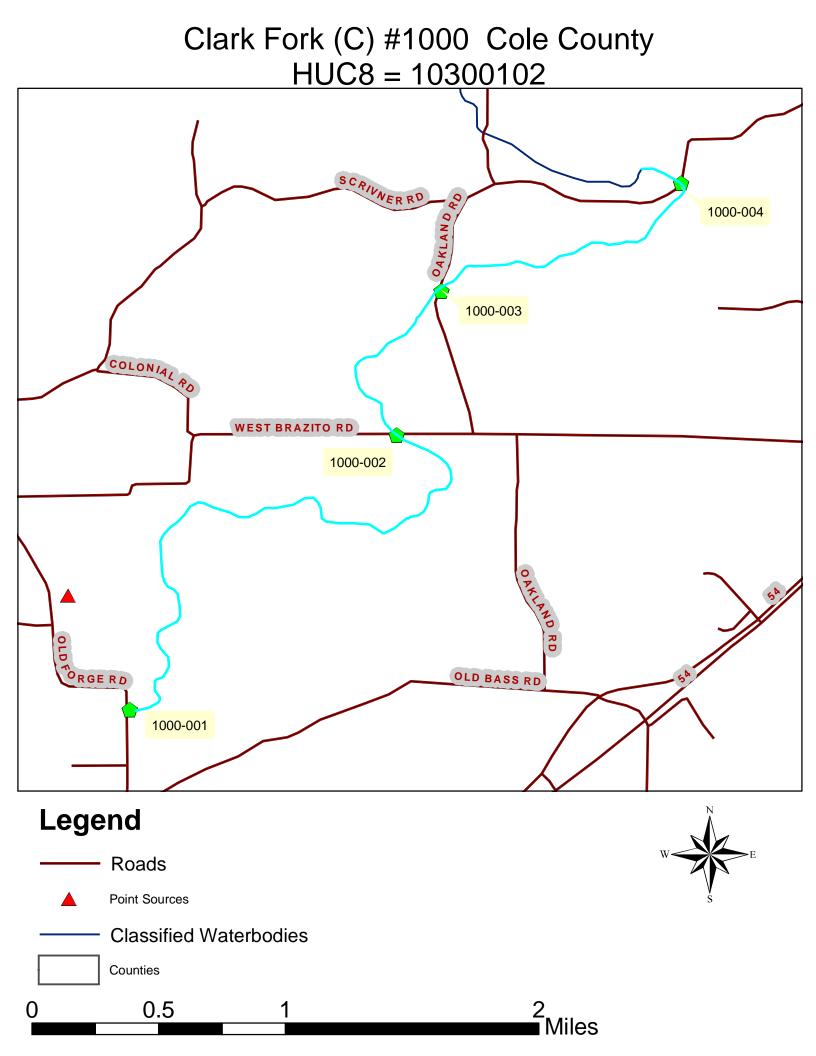
# 2005 JUL 13 PM 3: 08

# Data Sheet A - Water Body Identification

WATER PROTECTION PROGRAM

•					
Water Body Name (	from USGS 7.5' q	uad):	erk Fork		
8-digit HUC:	from USGS 7.5' qu	86 N 10	300/02		
Missouri WBID #:	1000				
County:	Cole				
Upstream Legal Des	scription:				
Downstream Legal	Description:				
Upstream Coordina	tes:				
Downstream Coord	inates:				
Discharger Facility	Name(s): Lg k	6 Carm	eL		
Discharger Permit N	Number(s):	no a a v G a	96		
Number of Sites Even Name of Surveyor and Organization:  Position: Region here undersigned, here	aluated:	4			
Name of Surveyor a	ınd Telephone Nun	nber:	in Culver	815-925	- 6530
Organization:	(m. M. 1350a	<del></del>			
Position: Resid	nal FAVIre	onneste C	on elian V.	UFR	
he undersigned, her tasheet is true and a	eccurate.	best of my kn	0 /	nformation repor	
DB -	Kein M. Dom Bran Tena Hale-1	Caccio			

Clark Fork (C) #1000 Cole County HUC8 = 10300102 SCRIVNERRO 1000-004 1000-003 COLONIAL PO 1000-002 ORGERD OLD BASS RD 1000-001 Legend Roads **Point Sources Classified Waterbodies** Counties 0.5 2 ■ Miles



Data Sheet B - Site Characterization
(A separate data sheet must be completed for each site)

Missouri WBID #:	1000-001	Site Location D	escription: Up Steery	+ Hour streen uf				
Site GPS Coordinates		(ayoun ou	Tra//-	·				
Date & Time: 7/	2/05 4:00	Facility Name:	1 all Carmel					
	, DB, THR	Permit Number:	4000 58 986					
Current Weather Con-	·, ····	Weather Condit	Weather Conditions for Past 7 days: Wy  1000-03/ Other: Lagoon Ox + Fig.					
Photo Ids: Upstream:	1000 col Downstr	eam: 1000-00/ Othe	T: Lagoon Octra	// -				
Uses Observed*:		, , ,						
Swimming	Skin diving	SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing	☐ Kayaking	Boating	☐ Wading	Rafting				
Hunting	☐ Trapping	☐ Fishing	None of the above	Other:				
Describe: (include nu		ng, frequency of use, photo	-documentation of evidence	of recreational uses, etc.)				
Surrounding Condit	ionske (Mark all that man	-t i	Augst short C : 1					
items of interest.)	ions . (Mark an mat prom	ole or impede recreational (	uses. Attach photos of evide	nce or unusual				
☐ City/county parks	☐ Playgrounds ☐	MDC conservation lands	☐ Urban areas	Campgrounds				
☐ Boating accesses	☐ State parks ☐	National forests	☐ Nature trails	☐ Stairs/walkway				
☐ No trespass sign	Fence (2)	Steep slopes	Other: Difficult	TO Access				
Evidence of Human	Use*:							
Roads	☐ Foot paths/prints	Dock/platform	Livestock Watering	RV / ATV Tracks				
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle				
Other:		NON	e —					
Site Locations Map(s	s): Attach a map of enti	re segment with assess	ment sites clearly label	ed. Mark any				
_ `	pe of interest. (Include	-	•	•				
	is not intended to directly is at need further analysis or the		one particular recreational u	se analysis but				
	·							
September 29, 20	004 Last pr	inted 5/17/2005 8:18 AM		Page 1				

### Data Sheet B - Site Characterization

Page Two - WBID # 1000: 001

Upstream View Physical Dimensions:	ream Morphol Unstream Vie	Ç.	imensions:				
Nax. Depth (ft):   Avg. Depth (ft):   Max. Depth				Avg. Depth (		Max. Dept	h (ft):
Pool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft):	Run Wid	th (ft): 1, 5	Length (ft):			*	<del></del>
Downstream View Physical Dimensions:							
Downstream View Physical Dimensions:	Flow Pres	ent? Yes	□No				
Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft):   Max. Depth (ft):	Downstream V	∕iew Physical	Dimensions:				
Run Width (ft):   Length (ft):   Avg. Depth (ft):   Max. Depth (ft):     Max. Depth (ft):     Max. Depth (ft):     Max. Depth (ft):   Max. Depth				Avg. Depth (	(ft):	Max. Dept	h (ft):
Pool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft):     Flow Present?   Yes   No   Estimated (ft³/sec): Nof Medisurable	Run Wid	th (ft): 1.5	Length (ft):	Avg. Depth (	(ft): 1 t		
Section   Present?   Yes   No   Estimated (ft³/sec):   Not   Measurable			Length (ft):				
Scater Characteristics*: (Mark all that apply.)   Odor:	Flow Pres	ent? Yes	□No				
We could be well and the second be well as the second be wel	,	/					
Sater Characteristics*: (Mark all that apply.)   Odor:				% Sand 50	% Silt	% Mud/Clay	% Bedrock
Color: Clear Green Gray Milky Other:  Bottom Deposit: Sludge Solids Fine sediments None Other:  Surface Deposit: Oil Scum Foam None Other:  Omments: Please attach additional comments (including information from interviews) to this form.  his information is not to be used solely for removal of a recreational use designation but rather is to provide a more inprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.  the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UA tasheet is true and accurate.					<b>A</b>		
Bottom Deposit: Sludge Solids Fine sediments None Other:  Surface Deposit: Oil Scum Foam None Other:  omments: Please attach additional comments (including information from interviews) to this form.  his information is not to be used solely for removal of a recreational use designation but rather is to provide a more inprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.  the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UA itasheet is true and accurate.				☐ Chemical	None	Other:	
Surface Deposit: Oil Scum Foam None Other:  Omments: Please attach additional comments (including information from interviews) to this form.  This information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.  The undersigned, hereby affirm to the best of my knowledge, that all information reported on this UA itasheet is true and accurate.					☐ Milky	Other:	
comments: Please attach additional comments (including information from interviews) to this form.  This information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a condition on the recreation use analysis but may point to conditions that need further analysis or that effect another use.  The undersigned, hereby affirm to the best of my knowledge, that all information reported on this UA attasheet is true and accurate.							
his information is not to be used solely for removal of a recreational use designation but rather is to provide a more apprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a condition on the recreation use analysis but may point to conditions that need further analysis or that effect another use.  the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UA tasheet is true and accurate.	Surface Deposit:		∐ Scum	∐ Foam	None	☐ Other:	
tasheet is true and accurate.	his information is r nprehensive under cision on the recrea	not to be used sol standing of water tion use analysis	lely for removal of a r conditions. Conse but may point to co	recreational use design quently, this information anditions that need furth	ation but rather n is not intende er analysis or th	r is to provide a r d to directly influ nat effect another	more uence a r use.
rganization: Aqua Missouri Position: Env. Coupling MGR	tasheet is true	and accurate				_	
rganization: Agya Missouri Position: ENV. Coupling MOR	gned: <i>Ke</i>	~ M. U	ul_	Date:	1 7/	12/05	
	ganization: //	1 94a //	nissouri	Position	n: <u>ENV.</u>	Coupling	MOR
September 29, 2004 Last printed 5/17/2005 8:18 AM Page 2							

Data Sheet B - Site Characterization
(A separate data sheet must be completed for each site)

	Missouri WBID #: /0	00-002		Site Loca	tion De	scription: Creek Cros	ssing at		
	Site GPS Coordinates:			W 57	1514	2, to PU-			
	Date & Time:	8		Facility N	Jame:	LAIL Carmal			
	Personnel: // Me,	DB. THR-		Permit N	umber:	Mnon 88 98	· <i>C</i>		
	Current Weather Condition		166	Permit Number: MOOO 85 986  Weather Conditions for Past 7 days: Dry except Rein Lest 11 1919 1000-002 On 1000					
	Photo Ids: Upstream: 16	00 -00 Z Dov	nstrea	m: 1000-002	Other	:	7 1613 And my		
		<u> </u>		JAWV/		, same	***************************************		
Us	es Observed*:								
	Swimming	Skin diving		SCUBA diving	5	☐ Tubing	☐ Water skiing		
	☐ Wind surfing	☐ Kayaking		☐ Boating		Wading	Rafting		
	☐ Hunting	Trapping		☐ Fishing		None of the above	Other:		
	Describe: (include numbe	er of individuals rec	reating	, frequency of use,	photo	documentation of evidence	of recreational uses, etc.)		
	rrounding Condition ms of interest.)  City/county parks  Boating accesses	s*: (Mark all that p  Playgrounds  State parks		e or impede recrea		ses. Attach photos of evider  Urban areas  Nature trails	Campgrounds  Stairs/walkway		
	☐ No trespass sign	Fence	Σ¥S	eep slopes	opes Other:				
		1	7						
Ev	idence of Human Use	e*:							
	Roads	☐ Foot paths/pri		☐ Dock/platfor	m	☐ Livestock Watering	RV / ATV Tracks		
	Rope swings	☐ Camping Sites		☐ Fire pit/ring		☐ NPDES Discharge	Fishing Tackle		
	Other:	······································		Λ	ION	<u>e</u>			
oth *So	ner items that may be o	of interest. (Included intended to direct	ide pl	notographs) luence a decision o	n any o	nent sites clearly labele	•		
	September 29, 2004	La	st prin	red 5/17/2005 8:18	AM		Page 1		

### Data Sheet B - Site Characterization

Page Two - WBID # 1000 002

Stream Morphology: Upstream View Physical D	imensions:		
Riffle Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool Width (ft): 25	Length (ft):	36' Avg. Depth (ft):	
Flow Present? Yes	No No	Estimated (ft <sup>3</sup> /sec):	Max. Depth (ft): St 2 5
			Net
Downstream View Physica			
Riffle Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool Width (ft): 35	Length (ft):	150 Avg. Depth (ft):	0.5' Max. Depth (ft): 13
Flow Present? Yes	□ No	Estimated (ft <sup>3</sup> /sec):	Not hespuration
Substrate*: (These values should	add up to 100%.)		·
	% Gravel	% Sand 109, % S	ilt % Mud/Clay 7,5 % Bedrock
Aquatic Vegetation*: (note amo		or algal growth at the assessment	site)
Water Characteristics*: (Mark	all that apply.)	☐ Chemical ☐ No	one Other:
Color: Clear	Green		ilky Other:
Bottom Deposit: Sludge			one Other:
Surface Deposit:	Scum	Foam	
*This information is not to be used so comprehensive understanding of wate decision on the recreation use analysis	lely for removal or conditions. Con	f a recreational use designation be sequently, this information is not	ut rather is to provide a more intended to directly influence a
datasheet is true and accurate			information reported on this UAA
Organization: Agua Mi	SSOUR?	Position: E	NV. Coupline MOR
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Data Sheet B - Site Characterization
(A separate data sheet must be completed for each site)

	Missouri WBID #: /00	10-003			Site Location De	scription:	1400 B	Pool - Circle Cross y		
	Site GPS Coordinates:				Relen TO N	1PP -	, , , , ,			
	Date & Time: 7/12/	65			Facility Name:	AILE Car	nel			
	Personnel: Krhe, D				Permit Number: MO 0088 986  Weather Conditions for Past 7 days: Dry Proper Reinles In: 1000 002 Other:					
	Current Weather Condition	<del>/</del>								
	Photo Ids: Upstream:106	0-003/ Dov	vnstrea	m: 109	00 003 Other	•	Diy	This mon		
		Ψ.	<u>-</u>		100-11					
Us	es Observed*:									
	Swimming	Skin diving		☐ SCU	JBA diving	☐ Tubing		☐ Water skiing		
	☐ Wind surfing	☐ Kayaking		☐ Boa	ting	Wading		Rafting		
	☐ Hunting	☐ Trapping		☐ Fish	•	None of the		Other:		
	Describe: (include numbe	r of individuals rec	reating	, freque	ncy of use, photo-	documentation of	evidence	of recreational uses, etc.)		
•				-						
Su	rrounding Condition	s*: (Mark all that p	promot	e or imp	ede recreational us	ses. Attach photos	of eviden	ce or unusual		
iten	ns of interest.)  City/county parks	Dlaraman da		mc	servation lands					
		Playgrounds				Urban areas		Campgrounds		
	☐ Boating accesses	State parks  Fence		ational	·····	☐ Nature trails		Stairs/walkway		
	☐ No trespass sign	rence	Г	teep slop	pes	Other:	None-			
Ev	idence of Human Use	*•								
	Roads	☐ Foot paths/prin	nts	D	ock/platform	Livestock W	/atering	RV / ATV Tracks		
	☐ Rope swings	Camping Sites		Fi	re pit/ring	☐ NPDES Dis	charge	☐ Fishing Tackle		
	Other:				None -					
oth	re Locations Map(s): A per items that may be on the of this information is not point to conditions that not be the conditions tha	f interest. (Included to direct intended to direct	ide pl	notogra luence a	aphs) decision on any o		•	•		
	:				•					
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Data Sheet B - Site Characterization

Page Two - WBID # / 1000: 003

Stream Morphology: Upstream View Physical Dimen	giong.				
	ength (ft):	Avg. Depth (1	 ft):	Max. Depth (ft):	
	ength (ft):	Axia Donth (	A).	Mary Danish (A).	
	ength (ft):	Avg. Depth (	A): <b>1</b> 13	Max. Depth (ft):  Max. Depth (ft):  (ow - not	A A
	lo	Fetimated (ft <sup>3</sup>	(/sac): 1 1	wax. Deput (it).	<u>0, D</u>
A Tresent: Eq 165	10	Estillated (It	TOO	12050 la	4)0
Downstream View Physical Din	ensions:		, 00	no/	WW4541046h
☐ Riffle Width (ft):	ength (ft):	Avg. Depth (1	ft):	Max. Depth (ft):	
☐ Run Width (ft): I	ength (ft):	Avg. Depth (1	ft):	Max. Depth (ft):	
Pool Width (ft): 35	ength (ft): 7	Δ Avg. Depth (1	ft): 0,9 /	Max. Depth (ft):	12'
Flow Present? Xes N		Estimated (ft <sup>3</sup>	//sec): No +	Max. Depth (ft):	1/2
Substrate*: (These values should add u		0/ 01	A/ GUL	V 25 1/G! 0	
% Cobble 5 % Gra	vei	% Sand	% Silt	% Mud/Clay S	
Aquatic Vegetation*: (note amount of	vegetation or alo	al growth at the asses	sment site)		
· · · · · · · · · · · · · · · · · · ·	vogetation of alg	ar grown at the asses	sment site)		· · · · · · · · · · · · · · · · · · ·
N	on c				
Water Characteristics*: (Mark all the	at apply.)				
Odor: Sewage	Musky	☐ Chemical	None	Other:	
Color: Clear	Green	Gray	Milky	Other:	
Bottom Deposit: Sludge	Solids		None	Other:	
Surface Deposit:	Scum	Foam	None	Other:	
*This information is not to be used solely for comprehensive understanding of water conduction on the recreation use analysis but n	r removal of a red litions. Conseque	creational use designa ently, this information	ation but rather is to	o provide a more directly influence a	
I, the undersigned, hereby affirm t	o the best of r	ny knowledge th	at all informat	ion renorted or	a thic IIA A
datasheet is true and accurate				_	
M. M. L.			7/12/08		
Signed: // //// ////		Date:	7/1/03		
Signed: M. Lub- Organization: Aqua M.	ssouri	Position	: ENV. Co	ongoliano M	6R-
<b>/</b>		,		Ť	
	***************************************				
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### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

1711330 ULL 17 DID 17.   U	Missouri WBID #: 1000 - 00 4			Site Location Description: Scrivner No - Credicosy			
Site GPS Coordinates:	See mul -						
Date & Time: 7/12	105 3101	PM					
Personnel: KM	OB THE	2	Facility Name: (AK Carrel  Permit Number: MO 0088986				
Current Weather Condi	tions:		Weather Condit	ions for Past 7 days:	Pxcpt Rata last Aigh		
Photo Ids: Upstream: 1	000-004 Dov	wnstream: 10	down Othe		+ 11/15 MOTHIS		
			1117757				
Uses Observed*:							
☐ Swimming	☐ Skin diving	□ SC	UBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boa	ating	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fisl	ning	None of the above	☐ Other:		
	ns*: (Mark all that p	promote or imp	nede recreational u	uses. Attach photos of evider	nce or unusual		
Surrounding Condition items of interest.)	ns*: (Mark all that p	<u> </u>	pede recreational u	uses. Attach photos of evider	nce or unusual		
items of interest.)		<u> </u>	nservation lands				
items of interest.)  ☐ City/county parks	☐ Playgrounds	☐ MDC cor	nservation lands	☐ Urban areas	☐ Campgrounds ☐ Stairs/walkway		
☐ City/county parks ☐ Boating accesses ☐ No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC cor	nservation lands	☐ Urban areas ☐ Nature trails	☐ Campgrounds ☐ Stairs/walkway		
items of interest.)  City/county parks  Boating accesses	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC cor ☐ National ☐ Steep slop	nservation lands	☐ Urban areas ☐ Nature trails	☐ Campgrounds ☐ Stairs/walkway		
items of interest.)  ☐ City/county parks ☐ Boating accesses ☐ No trespass sign  Evidence of Human Us	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC cor ☐ National ☐ Steep slop	nservation lands forests pes	☐ Urban areas ☐ Nature trails ☐ Other: None	☐ Campgrounds ☐ Stairs/walkway		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morp Upstream		ysical Di	mensions:						
☐ Riffle	Width (ft):		Length (ft):		Avg. Depth	(ft):	Max.	Depth (ft):	
□ Run	Width (ft):		Length (ft):		Avg. Depth	(ft):	Max.	Depth (ft):	
<b>⋈</b> Pool	Width (ft):	20'	Length (ft):	100'	Avg. Depth	(ft): /	Max.	Depth (ft):	2.2'
Flow	Present?	Yes	□ No		Estimated (	ft <sup>3</sup> /sec):	N.+ !	Leas	0/91/0
Downstrea	m View	Physical	Dimensions:						
* Riffle	Width (ft):	6'	Length (ft):		Avg. Depth	(ft):6.2	Max.	Depth (ft):	
☐ Run	Width (ft):		Length (ft):		Avg. Depth	-	Max.	Depth (ft):	
☐ Pool	Width (ft):		Length (ft):		Avg. Depth	(ft):	Max.	Depth (ft):	
☐ Flow	Present?	Yes	□ No		Estimated (	ft³/sec):	Not	Neas	valle
	Cobble	25 %	add up to 100%.) Gravel	% San		% Silt	% Mud	/Clay	% Bedrock
Water Chara	cteristics		book all that apply.)						
Odor:		Sewage	☐ Musky	☐ Ch	emical	None	☐ Otl	ner:	
Color:	×	Clear	☐ Green	☐ Gr	ay	☐ Milky	□ Otl	ner:	
Bottom Dep	osit: 🔲	Sludge	☐ Solids	□ Fir	ne sediments	None	☐ Otl	her:	
Surface Dep	osit: 🔲	Oil	☐ Scum	□ Fo	am	None	☐ Oti	her:	
This information comprehensive undecision on the real, the undersi	n is not to leaderstanding cereation us	oe used solong of water se analysis	onal comments ely for removal of conditions. Cons but may point to rm to the best	a recreation are a recreation of the conditions	onal use desig his information that need furth	nation but rath on is not intend her analysis or	er is to provided to directly that effect ar	de a more y influence : nother use.	a
datasheet is to Signed: Organization:_	Me Agu	accurate.	issouri		Date: Positic	7/17 on: <i>Env</i>	/05 ! Lou	p / jace	MOR
	(			,					